

You are invited to review the Main Injector (MI) Beam Position Monitor (BPM) Electronic design. The electronic components for the MI BPM are as follows:

- MIBPM Transition module – This is a new module.
- MIBPM Timing Generator Fanout (TFG) module – This is a modification of the Tevatron BPM TFG module that was commissioned earlier this year.
- Echotek boards – These are same as Tevatron BPM and are already purchased.
- Various crates, cables and connectors.

The review packet consists of:

- Specification document and Schematics for the Transition Modules
- Schematics and specification of TFG module

These documents can be found at <http://projects.fnal.gov/mibpm/wbs/reviews/MIBPMdesignReview/>

Charge:

Reviewers are requested to focus their attention to the design of the Transition Module and the design difference of the MIBPM TFG module from the older TevBPM TFG module. The Echotek board, analog and digital crates, cables etc. are not within the focus of this review; however relevant questions and comments concerning these aspects of the system are welcomed from the reviewers. Reviewers should:

- Verify that the specification addresses all relevant components needed for the Main Injector BPM system,
- Verify that the design approach and schematics are technically sound, self-consistent and reasonably optimized,
- Check that the design can be implemented in the hardware in a reasonable manner,
- Suggest improvements and/or concerns regarding the specification.

Agenda:

- Brief overview of requirements (Alberto Marchionni): 1:00 to 1:15 PM
- Transition module design (Manfred Wendt): 1:15 to 2:15 PM
- Timing Fanout Generator module design (Bill Haynes): 2:15 to 2:45 PM
- Reviewer conference: 2:45 to 3:15 PM
- Review closeout: 3:15 to 3:30 PM